

National Aeronautics and
Space Administration

Glenn Research Center
Lewis Field
Cleveland, Ohio 44135-3191



Materials or Chemical Engineer Student Trainee Position

Research and Technology Directorate (R)
NASA Glenn Research Center, Cleveland, OH

Job Description:	Co-op student will perform materials or chemical engineering duties by rotating semesters into various branches in the Research and Technology Directorate (R-5000). Assignments will match students' interests and the organizations' needs. Possible assignments may be in the Sensors and Electronics Branch (RIS-5510), Ceramics Branch (RMC-5130), the Durability & Protective Coatings Branch (RMD-5160), the Advanced Metallics Branch (RMM-5120), the Polymers Branch (RMP-5150), the Electrochemistry Branch (RPC-5420) the Electro-Physics Branch (RPY-5480), and the Life Prediction Branch (RSL-5920). The student will work closely with researchers in some of these branches to develop and test advanced materials for high temperature propulsion, power, structures and instrumentation applications. The student will perform experimental and computational research, which may include developing ceramic and ceramic matrix composite materials for high temperature applications, environmental protective coatings, computational materials modeling, nanotechnology, materials for electrochemistry, fuel cell, and battery applications, and electronic materials. Complexity of the materials development or evaluation tasks will increase as the student gains experience.
Length of Position:	Alternating quarters/semesters until graduation.
Job Openings:	1 position available
Minimum Eligibility:	Junior in Materials or Chemical Engineering, Chemistry or Physics GPA 3.0 (4.0 scale) United States Citizen Enrolled as a full-time student Enrolled in university's co-op program Must be recommended by appropriate staff member at University. Major field of study should match Branch assignments listed above.
Salary Range:	Based on 2004 Office of Personnel Management salary table: \$11.67 - \$14.55 per hour (undergraduate student) \$16.17 per hour + (graduate student)
Closing Date:	Until filled